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Case Docket No. 1.827.99

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Inventor(s):

Enclosed are:

WALTER JOE MIKULSKI

For:

A PORTABLE EXERCISE ASSEMBLY

_x_	8 sheet(s) of drawings.
*****	An assignment of the invention to:
	Certified copy(ies) of the following application(s), the priority of which is hereby claimed under 35 USC §119:
_x_	A verified statement to establish small entity status under 37 C.F.R. 1.9 and 37 CFR 1.27.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Walter Joseph Mikulski

Serial No.:

Filing Date:

January 24, 2000

For:

A PORTABLE EXERCISE ASSEMBLY

2800 S.W. Third Avenue Historic Coral Way Miami, Florida 33129 January 24, 2000

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231
Dear Sir:

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Respectfully submitted,

MALLOY & MALLOY, P.A. 2800 S.W. Third Avenue Historic Coral Way Miami, Florida 33129 (305) 858-8000

By:
Peter A. Matos
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Date: 1-24-00

## INDEPENDENT INVENTOR - SMALL ENTITY STATUS

Applicant or Patentee: WALTER JOSEPH MIKULSKI	Attorney's
Serial or Patent No.:	Docket No.:_1.827.99
Filed or Issued:	
For: A PORTABLE EXERCISE ASSEMBLY	
VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL E STATUS (37 CFR 1.9(f) and 1.27(b) - INDEPENDENT IN	
As a below named inventor, I hereby declare that I qualify as an independent 1.9(c) for purposes of paying reduced fees under Section 41(a) and (b) of Tit Patent and Trademark Office with regard to the invention entitled,	nt inventor as defined in 37 CFR le 35, United States Code, to the
A PORTABLE EXERCISE ASSEMBLY described in	
<pre>[</pre>	, filed
I have not assigned, granted, conveyed or licensed and am under no obligation grant, convey or license, any rights in the invention to any person who independent inventor under 37 CFR 1.9(c) if that person had made the invention of qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit of	o could not be classified as an on, or to any concern which would
Each person, concern or organization to which I have assigned, granted, coobligation under contract or law to assign, grant, convey, or license any rebelow:	onveyed, or licensed or am under rights in the invention is listed
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*Note: Separate verified statements are required from each named persinghts to the invention averring to their status as small entities. (37 CFR	on, concern or organization having R 1.27)
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I acknowledge the duty to file, in this application or patent, notification in loss of entitlement to small entity status prior to paying, or at the timessue fee or any maintenance fee due after the date on which status as a small (37 CFR 1.28(b))	me of paying, the earliest of the
I hereby declare that all statements made herein of my own knowledge are truinformation and belief are believed to be true; and further, that these st Section 1001 of Title 18 of the United States Code, and that such willful favalidity of the application, any patent issuing thereon, or any patent to directed.	atement were made with the under lse statements may jeopardize the
NAME OF INVENTOR WALTER JOSEPH MIKULSKI  WALTER JOSEPH MIKULSKI	NAME OF INVENTOR
Signature of Inventor	
Date Date Date	
Jan 8/00	

#### A PORTABLE EXERCISE ASSEMBLY

### BACKGROUND OF THE INVENTION

This is a continuation-in-part application of presently pending U.S. Patent application, serial number 09/477,951 filed on January 5, 2000, which is incorporated herein by reference.

Field of the Invention

The present invention relates to a portable exercise assembly comprising a base and/or mounting assembly each structured to be selectively oriented in either an operative position or a collapsed position and made from a strong light weight material which, when in their collapsed position, are capable of being easily hand carried from location to location and when in their operative position are structured, in cooperation with a plurality of associated operative components, to allow a user to perform a full range of exercises involving substantially all of the major muscle groups. A resistance assembly is provided to offer sufficient resistance to satisfy both the more dedicated, as well as the more casual exercise or work-out enthusiast.

### DESCRIPTION OF THE RELATED ART

In recent years there has been an ever increasing tendency for the general population to follow a healthier life style.

Such an improved life style frequently incorporates a somewhat restricted low fat diet in addition to an increased amount of physical activity, in the form of exercise. Typically, an exercise regiment followed by most individuals seriously concerned with the improvement of their overall well-being and body fitness, comprises cardiovascular type exercises as well as exercises directed to the development of specific muscle groups. In the latter category, there has been a proliferation of a variety of different types of exercise devices and/or apparatus, which facilitate the performance of a specific exercise, dependent on which portion of the body or which specific muscle group a person wishes to exercise and/or develop.

Known exercise devices of the type set forth above typically include one or more resistance elements, such as but not limited to springs, flexible material bows, weights, etc. which are connected to a plurality of attachment members and/or platforms removably securable to certain portions of a person's body. Such known structures thereby allow the performance of one or more exercises in a manner which hopefully will provide the most benefit to the muscle grouping being exercised. In addition, as part of certain known or conventional exercise assemblies, the utilization of substantially large and somewhat fixed apparatus are sometimes required. Generally, such apparatus includes some type of support platform on which a user is positioned. The support platform is then oriented at a

preferred angular orientation relative to a floor, ground or other support surface. The platform thereby supports and serves to orient a portion of the user's body in a position which facilitates movement of the user's body or a particular muscle group in an intended position to best accomplish the desired exercise.

While platforms and their associated support frames of the type set forth above are used in a variety of different exercise assemblies, for the performance of certain specified exercises, there are generally recognized disadvantages associated with such apparatus. Such disadvantages are typically associated with, but are not necessarily limited to size, weight, and to a certain extent, instability. Instability is a recognized disadvantage or even possible danger, particularly with exercise apparatus which supports the body engaging platform in a raised location above the ground, floor or other support surface on which such apparatus is normally positioned.

The recognized disadvantages associated with size and weight result in the inability of those utilizing such exercise equipment to travel with or easily re-locate a preferred exercise apparatus. This problem is particularly understood by "body builders" or those individuals who train and/or exercise on a regular or strictly scheduled basis. By way of example, one often finds that in a motel or hotel, there is no spa or gymnasium facility available. On the other hand, when such

physical exercise facilities are available, they are frequently operated only during somewhat limited hours of use, which prevents utilization of such facilities, except during conventional hours. Such conventional periods of usage is often inconvenient for those traveling on business, since business hours are usually spent away from the hotel and the affiliated gymnasium or exercise equipment. In addition, to the above, it is not uncommon for a "body builder" to prefer to workout in a certain amount of privacy or isolation, which is difficult, if not impossible, when using a public or semi-public facility, such as a gymnasium, hotel spa, etc.

Those associated with the design and manufacture of exercise equipment have recognized many of the types of disadvantages associated with the size and weight of existing equipment. As a result, most sporting goods stores offer a relatively large choice of "body toners" and other exercise devices, which are portable, but which may be somewhat limited in the types of exercise and amount of resistance available while utilizing such equipment. For example, one device may allow for the performance of certain upper body exercises but be devoid of any type of equipment which will allow the performance of meaningful lower body exercises. A body builder or other individual seriously interested in the development of the overall body, rather than being content with the development of a certain specific muscle group, must acquire one machine for a

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specific exercise or group of exercises and another machine for other exercises. In addition, known portable machines, will usually be very limited in the amount of resistance available to the body builder when performing his exercise. This of course is important due to the fact that a relatively significant amount of resistance is usually required by an individual having the various muscle groups being highly developed.

Accordingly, there is a need for exercise equipment which is sufficiently lightweight and compact to be portable and therefore be easily carried by a user between different Such a preferred exercise assembly should also be designed to facilitate positioning and set-up, at either the home or place of business and also be of sufficiently small size, when hand carried to an airport, to be acceptable as "free allowed check in baggage". In addition, such improved exercise equipment or apparatus should be specifically structured to have sufficient versatility to perform substantially all of the basic and most important exercises for body builders or the more conscientious exercise enthusiast. Such basic exercises may include, but are not necessarily limited to, leg presses, leg extensions, alternate leg curls, bench press/dips, pull-ups, military press, rowing movement, arm curls, triceps extensions, alternate hamstring flexes, sit-ups, etc. Also a major importance in such an improved exercise assembly is the providing of a sufficient amount of resistance, through both the

utilization and placement of a plurality of resistance members, to offer sufficient resistance to the more sophisticated exercise enthusiast to satisfy the requirements for sufficient and continued development of the various muscle groups of the body. Accordingly, an improved exercise assembly of the type referred to herein should have a resistance range from substantially ten pound (10 lb.) to in excess of approximately one hundred fifty pounds (150 lb.) and further should be structured to allow the incremental variance in change in at least ten pound (10 lb.) increments. Finally, such an improved exercise assembly should operate on a smooth, almost effortless basis, and accurately direct the resulting resistance or stress only to the intended muscle groupings.

#### SUMMARY OF THE INVENTION

The present invention is directed towards a portable, light weight exercise assembly designed to facilitate the performance of a full range of body exercises in order to provide the desired exercise and resistance or stress to substantially all the major muscle groups of the body. In addition, the exercise assembly of the present invention and its associated components, offer sufficient resistance, when performing the above noted exercises, to satisfy the more sophisticated or dedicated exercise enthusiast, as well as the more casual user of exercise equipment.

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More specifically, the portable exercise assembly of the present invention includes a base comprising a plurality of base segments selectively disposable relative to one another into either an operative position or a stored, collapsed position. In a first embodiment, the plurality of base segments comprise two base segments, each having an elongated configuration, wherein the operative position of the base is defined by the two base segments disposed in an end to end orientation. aforementioned stored position is defined by the two base segments disposed in a collectively folded, overlying and substantially parallel relation to one another. The two base segments are disposable in either of the above noted positions due to the fact that correspondingly positioned ends thereof are hingedly or otherwise movably interconnected, so as to allow the selective orientation of the two base segments between the operative and stored positions.

The base of this first embodiment comprises a track assembly extending along at least a majority of the length thereof and being defined by each of said two base segments including two spaced apart beams, disposed in parallel relation to one another, and being separated along their respective length, by a channel. When the two base segments are disposed in the operative position, the channel and two beams of each base segment are disposed in an aligned, substantially parallel orientation relative to one another.

The base further comprises a first platform removably secured at any one of a plurality of positions along the length of the base, when in its operative position. The first platform is disposed and structured to engage and support different portions of the user's body, depending upon the particular exercise being performed. To this end, the first platform is preferably of sufficient length and width to provide adequate support and stability to various frontal and rear portions of the user's body, when performing the various exercises. An under-portion of the first platform is cooperatively structured with the aforementioned track assembly, such that the first platform can be removably secured to an outer exposed surface of the base, when in its operative position, and along the length thereof.

A trolley, may used as an optional component and is removably secured to the base and cooperatively structured with the track assembly so as to be slidable or otherwise movable along the length thereof. When the trolley is used, it is structured to supportingly engage, as well as possibly supply resistance to, the feet and/or lower legs of the user during the performance of certain exercises.

As an alternative embodiment to the trolley, the exercise assembly of the present invention includes an elongated bar, which may be removably connected to one or more of a plurality of elastic resistance elements. The elongated bar may further

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include two spaced apart foot cushions each associated with a foot restraining strap. The feet of the user pass between the strap and the respective foot cushion, such that the bottom of the foot engages the foot cushion for purposes of comfort when the feet apply resistance against the bar and the upper or top portion of the foot engages the under portion of the restraining straps.

Another embodiment of the present invention comprises a base formed from a plurality of elongated segments removably attached to one another in an end-to-end relation, wherein each of the segments comprise a true linear configuration. specifically, each of the elongated linear segments of this embodiment of the exercise assembly of the present invention is preferably formed from a high strength, relatively light weight material having a tubular construction. By way of example, each of the base segments could be formed of a metallic material multi-sided, cross-sectional having a square orconfiguration, which defines the aforementioned tubular construction. The base, when in its operative position defined by the plurality of segments attached in an end-to-end orientation, also has a true linear configuration along at least the majority of its length. However, at least one of the plurality of base segments includes enlarged portion an extending laterally outward from a central, longitudinal access of the base. The enlarged portion is more particularly defined

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by a frame disposed in at least partially surrounding relation to a central opening. This enlarged portion serves to provide stability to the base when the base is disposed on a supporting, normally horizontally oriented surface, such as the floor or the like. In addition, the enlarged portion may provide support or attachment for a platform or cushion structure, disposable on the base, in overlying or attached relation to the enlarged portion, so as to support at least a portion of the user's body thereon. A restraining assembly, preferably in the form of two outstanding posts or stanchions, is removably secured to the base, substantially adjacent to the enlarged portion. restraining posts are disposed and structured to engage and provide at least some, minimal resistance to various portions of the user's body while, the user performs exercises utilizing one or more elastic resistance elements, as described in greater detailed hereinafter.

Yet another embodiment of the present invention may be generally referred to as a "mini" exercise assembly and includes a mounting assembly structured to be removably attached in supported engagement on an upright, substantially vertically oriented supporting structure, such as but not limited to a door. Utilization of the mounting assembly in this manner negates the necessity of utilizing either of the aforementioned embodiments of the base in that an elastic resistance assembly is removably secured to one or more of a plurality of mounts,

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removably secured to the door or like supporting structure. More specifically, each of the mounts are structured to engage predetermined portions of the supporting door or other supporting structure, such as along the upper and lower peripheral edges thereof. A gripping assembly is associated with this embodiment, as well as the other embodiments of the exercise assembly of the present invention and includes a plurality of retaining straps or like structures, which are removably attached to various portions of the user's body, such as the feet, ankles, hands, etc.

In each of the above set forth embodiments, the gripping assembly may be utilized so as to be gripped or otherwise similarly engaged by the hands or feet of the user for purposes of selectively positioning the resistance assembly between the "stressed" position and the "non-stressed" aforementioned In addition to the restraining straps or like structures as set forth above, the gripping assembly may include one or more, somewhat similarly structured, gripping bars removably attached to one end of the resistance assembly. Also two of the gripping bars may be used in combination with one another by connecting each of the bars to an opposite end of the resistance assembly. The versatility of the structure of the gripping assembly is such that its utilization with any of the embodiments of the base and/or the mounting assembly, may or may be not be incorporated into the performance of the various

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exercises, primarily dependent on the desires of the user and/or the muscle groups intended to be exercised.

As in the majority of modern day exercise equipment, the exercise assembly of the present invention incorporates a resistance assembly. The resistance assembly of the present invention comprises, a plurality of elongated resistance elements, each of which are formed from an elastic material. Each of the resistance elements, when extended from a normal or relaxed position to an outwardly extended, stressed position, provides an intended or designated amount of resistance. amount of resistance capable of being provided by the resistance assembly will depend upon the number of individual resistance elements being utilized at one time in the performance of individual ones of the plurality of exercises. Naturally, the location at which the resistance elements are attached to the base, mounting assembly and/or gripping assembly, as well as the number of resistance elements being utilized, is again dependent upon the particular exercise being performed and the particular muscle grouping being stressed.

Therefore, the various embodiments of the portable, exercise assembly of the present invention, are each structured to provide a complete body workout for body builders, as well as casual users of exercise equipment. Also, because of the ability to selectively position the base between the aforementioned stored position and operative position or

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otherwise at least partially disassemble the various components of the exercise assembly, it is capable of being easily hand carried from location to location. Further, the structure of the operative components associated with the exercise assembly emphasizes and facilitates the ability of a user to perform all exercises which work most if not all of the major muscle groups. Such exercises include, but are not necessarily limited to: leq alternate leq extensions, leq curls, presses/dips, pull-ups, military presses, rowing motion, arm curls, triceps extensions, alternate hamstring flexes, and situps. Of course, the aforementioned listing of exercises is not meant to be inclusive of all the different types of exercises capable of being performed. To the contrary the aforementioned exercises are intended to be representative only of a large number of different exercises. The portable, exercise assembly of the present invention can also be used to perform a variety of other exercises which may be individualized or customized by user for purposes of working parts of the body not necessarily associated with the major muscle groups.

These and other features of the present invention will become more clear when the drawings as well as the detailed description are taken into consideration.

#### BRIEF DESCRIPTION OF THE DRAWINGS

For a fuller understanding of the nature of the present

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invention, reference should be had to the following detailed description taken in connection with the accompanying drawings in which:

Figure 1 is side view of an exercise assembly of the present invention in an operative position.

Figure 2 is a side view of the embodiment of the exercise assembly of Figure 1 shown in a stored position.

Figure 3 is a top view of the embodiment of Figure 1.

Figure 4 is a bottom view of the embodiment of Figure 3.

Figure 5 is a front view of a plurality of resistance elements which collectively define a resistance assembly of the exercise assembly of the present invention.

Figure 6 is an elongated bar which may be used as a gripping bar or alternatively may be used to engage the feet of the user and therefore includes foot cushions with associated retaining strap.

Figure 7 is an end view, in detail, of a component of the embodiment of Figure 1.

Figure 8 is a connector structure associated with the embodiment of Figure 7.

Figure 9 is an additional structural feature associated with the embodiment of Figure 7.

Figure 10, 10A; 11, 11A; 12, 12A; 13, 13A; 14, 14A; and 15, 15A are each top schematic views showing the exercise assembly of the present invention in combination with a user performing

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a variety of different exercises.

Figure 16 is a top view of another embodiment of the resistance assembly of the present invention including a gripping bar, other than that shown in Figure 6.

Figure 17 is a front view of an elongated gripping bar, differing from the embodiments of Figures 6 and 16, which may or may not be used with a second gripping bar and which is capable of being gripped by the hands or engaged by the feet of the user.

Figure 18 is a top view of another embodiment of a base of an exercise assembly of the present invention differing from the embodiment of Figures 3 and 4.

Figure 19 is a perspective view of a composite of various components of the base of the embodiment of Figure 18 shown in disassembled form.

Figure 20 is a top view of the base of the embodiment of the Figure 19 shown in an operative position with a user exerting a force on a resistance assembly associated with the exercise assembly of the present invention.

Figures 21 through 24 are each perspective views of a user demonstrating the performance of a plurality of different exercises utilizing the base of the embodiment of Figure 18.

Figure 25 is yet another embodiment of the exercise assembly of the present invention shown in its operative position mounted on an upright, substantially vertically

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oriented supporting structure.

Figure 26 is a portion of a gripping assembly associated with the embodiment of Figure 25.

Figure 27 is a front view of a mount associated with the embodiment of Figure 25.

Figure 28 is a front view of a pad associated with the embodiment of Figure 27.

Figure 29 is a perspective view of another embodiment of a mount associated with the embodiment of Figure 25.

Figure 30 is a pad associated with a retaining structure shown in Figure 31.

Figure 31 is a front view of a retaining structure removably attachable to various portions of the user's body.

Figure 32 is a composite view of a pair of handles of a gripping assembly used with the embodiment of the exercise assembly of Figure 25.

Figure 33 is a perspective view of a cushion which may be used in the performance of exercises utilizing the embodiment of Figure 25.

Like reference numerals refer to like parts throughout the several views of the drawings.

# DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

The present invention relates to a portable exercise assembly which, in the embodiments of Figures 1 through 15, 15A,

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is generally indicated as 10 and includes a base 12 designed to be supported on a floor or any other applicable supporting surface, generally but not necessarily, in a substantially horizontal orientation. The base 12 is capable of being selectively oriented in either an operative position, as shown in Figures 1, 3 and 4 or a stored position, as shown in Figure 2.

More specifically, the base 10 comprises a plurality of base segments which, in the embodiment of Figure 1, preferably includes two base segments 14 and 16 each having a substantially elongated, preferably straight line configuration and which are movably connected to one another by one or more hinge structures 18, or other applicable, movably interconnecting, structures. The hinge structures 18 allow the selected positioning of the base segments 14 and 16 relative to one another so that the base segments 14 and 16 may assume either the operative position of Figure 1 or the stored position of Figure 2. The operative position comprises both of the elongated base segments 14 and 16 disposed in an end-to-end relation to one another, such that the correspondingly positioned ends 14' and 16' of each base segments 14 and 16 respectively, are disposed in immediately adjacent or contiquous relation to one another. Accordingly, when in the operative position, the entire base 12 assumes an elongated, configuration.

The length of each segment 14 and 16 may vary and may or

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may not be substantially equal to one another. However, in the illustrated embodiment, the overall dimension and configuration of the base 12 is preferably such as to accommodate the supporting engagement with at least a portion of the user's body, dependent upon the exercise being performed, as best shown and more fully explained with reference to Figure 10, 10A through 15, 15A.

With primary reference to Figures 3 and 4, each base segment 14 and 16 may comprise two elongated, spaced apart beams 20 and 21, which are secured to one another, in at least one embodiment, in substantially parallel relation by end braces 22. Other brace structures may be used to interconnect respective beams 20 and 21 of each of the base segments 14 and 16 in a manner which does not interfere with the utilization of the exercise assembly 10 or the performance of various exercises thereon. Accordingly, the structural configuration of each base segment 14 and 16, which incorporates the spaced apart beams 20 and 21, serves to define a track assembly for the removable mounting and/or moveable positioning of a first platform 26 and a second platform 28, or elongated gripping bar 101 (See Figure 17) thereon. More specifically, the track assembly comprises a channel 25 formed between each of the beams 20 and 21 of each base segment 14 and 16. The channel 25 communicates with the upper, exposed surface 15 of the base 12 as best shown in Figure 3. Similarly, as shown in Figure 4, the elongated channel 25 of

each base segment 14 and 16 may also extend in communicating relation with and through the under surface 17 of the base 12 as shown in Figure 4. When the base 12 is in its operative position, the respective elongated channels 25 of each base segment 14 and 16 are disposed in aligned relation to one another, such that the channels 25 collectively extend along substantially the entire length, or at least a majority of the length, of the base 12. The width or transverse dimension of each of the channels 25 is sufficient to receive a mounting bracket 26' and 28', as best shown in Figures 1 and 7 respectively, for the removable mounting and sliding travel or positioning, of the first and second platforms 26 and 28, respectively.

As is apparent from the accompanying Figures, the first platform 26 and the second platform 28 may vary in size and locations along the length of the base 12. The first platform 26 is of a sufficient dimension and configuration to provide stable support for either a front or rear portion of the user's body, so as to facilitate proper orientation of a user while performing each of a plurality of different exercises. The second platform 28 may be an optional component and included in at least one embodiment. When utilized, the second platform 28 comprises a portion of a trolley assembly generally indicated as 30. The trolley assembly 30 includes a support frame 32 which may have a feet engaging portion 34, removably or fixedly

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secured thereto, so as to engage the feet or lower legs and offer resistance for example, when performing leg presses. feet engaging portion 34 and support frame 32 may be removed from the second platform 28 and the second platform 28 may be used for attachment to a portion of a resistance assembly 70 or 70', to be described in greater detail hereinafter with reference to Figures 5 and 16. Further, the mounting bracket 28' of the trolley assembly 30 is dimensioned and configured to slide along the length of respective ones of the channels 25, disposed between the beams 20 and 21, of one or both of the base segments 14 or 16. In order that the feet, ankles or other portions of the user's body may be secured to the platform 28 and/or feet engaging portion 34, a retaining strap 40 may be mounted on the feet engaging portion 34 by means of connecting apertures 42. Alternatively, foot and/or ankle preferably having a loop or annular configuration and generally indicated as 44, may be secured to the platform 28 so as to temporarily anchor or secure the foot or ankle to the second platform 28, or various other portions of the base 12.

As an alternative to the trolley assembly 30 and specifically the second platform 28, the exercise assembly of the present invention further contemplates the use of an elongated gripping bar of the type generally indicated as 80 in Figure 6 and 17. Gripping bar 80 includes two, spaced apart cushions 103 each having a foot and/or ankle restraining strap

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89 mounted in spaced apart but cooperative relation thereto. The gripping bar 80 is dimensioned and configured to move relative to the support frame and along the length of either of or the base segments 14 and 16, such as by sliding over exposed surfaces of beams 20 and 21. Another embodiment of the griping bar is indicated as 80' and shown in Figure 16. The elongated gripping bar 80' is designed to be removably attached to a resistance assembly comprising one or more resistance elements, using rings 85 and oppositely disposed retaining pins 86 as As an alternative, either of the gripping bars 80 as shown in Figure 6 or 80' as shown in Figure 16 can be substituted for the gripping bar 101 shown in Figure 17, dependent upon the particular exercise intended to be performed by a user and also on whether the user intends to grip a particular gripping bar with his or her hands and/or engage the gripping bar with his or her feet. Regardless of the embodiment utilized, as will be explained in greater detail hereinafter, the gripping bar 80, 80' and 101 are structured to define a gripping assembly, wherein the various gripping bars are intended to be engaged or otherwise "gripped" by various portions of the user's body, including the hands, ankle, feet, Each of the gripping bars are removably connected to the resistance assembly 70 in a manner which allows the selective positioning or movement of the resistance assembly 70 between a stressed position and a non-stressed position.

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Also with reference to Figures 3 and 4, it should be noted that in the embodiment of Figure 3 a plurality of connectors 90 primarily in the form of eyebolts may be removably inserted into the sides of either of the beams 20 and 21 and attached at any number of locations along the base segments 14 and 16. The connectors 90 are used to attach one end of one or more elastic resistance elements which define part of the resistance assembly 70, as will be described in greater detail hereinafter. alternative embodiment another means of connecting a plurality of elastic resistance elements 72, 73, 75, etc. defining the resistance assembly 70, to the base segments 14 and 16 includes the provision of an elongated slide bar 120 disposed in transverse relation and in interconnected engagement with each of beams 20 and 21. The slide bar 120 includes a plurality of apertures 125 disposed in spaced relation to one another and extending along each end. The apertures 125 are used to connect a plurality of elastic resistance elements 72, 73, 75 to the slide bar 120 in spaced relation to one another. The slide bar 120 can be positioned at various locations along the length of the base segments 14 and 16 and interconnecting somewhat transverse relation to the beams 20 and 21 through the provision of aligned pairs of elongated slots 122. The slots 122 may be disposed in spaced relation to one another and at various locations along the entire length of either of the base segments 14 and 16. Other structural components associated with the

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exercise assembly 10 of the present invention include a shoulder restraint 50 comprising two elongated dowels 53 each having one end at least partially surrounded by a padding 55 and the opposite end 53' dimensioned and configured to fit within appropriately disposed apertures 57 formed at a plurality of different locations along the length of each of the base segments 14 and 16. The apertures 57 are dimensioned to be at least minimally greater than the transverse dimension of the opposite end 53' of the dowels 53. In addition, a head rest 54 may be removably secured to the base 12 at various locations along the length thereof, so as to extend upwardly and outwardly from the upper exposed surface 15 in an orientation to support the head of a user. The head rest 54 is frequently, but not exclusively, used when the shoulders of the user are disposed in engagement with the shoulder restraint 50, as clearly shown in Figures 10, 10A. In addition to the above, a stability structure is provided in the form of grips 60 which include an elongated pin 62, dimensioned to be removably inserted within appropriate openings or apertures 64, preferably formed at one or more locations along the side of the base 12. The opposite ends of pins 62 may include a grip structure 66 disposed and configured to facilitate the gripping thereof by the user, when the user is performing certain exercises.

Another feature of the present invention is shown in different embodiments, in Figures 5, 16 and 17, comprises the

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resistance assembly generally indicated as 70. embodiment of Figure 5, the resistance assembly 70 comprises a plurality of elongated resistance elements 72, 73, and 75 each formed of an elastic material and normally disposed in a relaxed non-stressed position, as represented. However, upon stretching or extending each of the resistance elements 72, 73, and 75, a predetermined resistance will be provided such as when a first end 76 of each of the resistance elements is anchored or otherwise removably connected to the base, by means of one of a plurality of connectors 90 or the aforementioned slide bar 120. The connectors 90 may assume a variety of structural configurations, such as an annulus or ring formed on an exposed end thereof. The opposite end 78 of each of the resistance elements 72, 73, and 75 is connected to a gripping assembly including one of a plurality of gripping bars 80, 80' and/or 101 dependent upon the various exercises being performed. Typically, the resistance assembly 70, as shown in Figure 5, comes in two sets, wherein each set comprises an equal number, which of course may vary, of resistance elements 72, 73, and 75, so as to provide a balanced or symmetrical resistance when performing the various exercises. Obviously one or more of the resistance elements 72, 73, and 75 may be used at the same time and each of the various resistance elements may be structured to offer a different amount or degree of resistance. specifically, the individual ones of the resistance elements 72,

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73, and 75 may be structured to provide a different resistance when extended from their non-stressed to their stressed or stretched orientation. As indicated in Figure 5 and by way of example, the various resistance elements 72, 73, and 75, may be specifically structured to provide a resistance of fifteen pounds (15 lb.), thirty pounds (30 lb.) and sixty pounds (60 lb.), respectively. Also it should be noted that each of the opposite first and second ends 76 and 78 may each include a snap-type connector 79 or a connecting ring as at 81.

The embodiments of Figures 16 and 17 disclose a structural variation of the resistance assembly 70, therein indicated as 70' and comprising a plurality of resistance elements 72', 73' and 75', as well as an additional element 77, each being formed of an elastic material and offering a different or equal amount or resistance when forced from a normally non-stressed position, as shown in Figure 16, to a stressed or stretched position (not In the embodiment of Figure 16, the gripping bar 80' may be used when the user engages gripping bar 80' with his hands. In the embodiment of Figure 17, the gripping bar 101 is intended to be engaged by the feet and/or ankles by the user, which engage the cushions 103' and are removably secured in engagement with the gripping bar 101 through the retaining straps 105. When utilizing either of the bars 80' or 101, the resistance assembly 70' is removably attached thereto. specifically, the connectors 85 are secured in the position

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shown in Figure 16 and 17 by correspondingly disposed spaced The opposite ends of each of the apart locking pins 86. resistance elements 72', 73', 75' and 77 are fixedly secured to one another as at 87, and the collectively secured ends 87 may be attached to the base 12 and/or other anchoring structure by adjustable and removably connected chain members 88. When it is desired to remove one or more of the resistance elements, such as resistance element 77, in order to lessen or otherwise vary the resistance, when the connector ring 85, associated with the resistance element 77, is removed from the gripping bar 80'. Once detached, the connector ring 85 remains detached or is otherwise retained by the chain 88 in the area of the collectively secured ends 87 of the resistance elements as shown. This eliminates the need and necessity of connecting or disconnecting each of the opposite ends 76 and 78 of the individual resistance elements 72, 73, and 75, of the embodiment As shown, in the embodiment of Figure 16 the of Figure 5. resistance assembly 70' may be connected by the adjustment chain 88 and quick release snap-type connector 88' to the base 12 by means of eyebolt connectors 90. However, in the embodiment of Figure 17, the resistance assembly 70' may be connected between gripping bar 80 and gripping bar 101, both of which are engaged by different portions of the user's body such that the resistance assembly 70', including the plurality of resistance element 72', 73', 75' and 70' are repeatedly disposed between

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their stressed position and non-stressed position. Further, depending upon the orientation of the user, a head rest as at 54' may be utilized to support the head or neck area of the user.

With reference to Figures 10, 10A through 15, 15A, a user is schematically represented on the exercise assembly 10 in the performance of a variety of exercises. It is emphasized that while the structural embodiments of the exercise assembly 10 are represented as using the aforementioned connectors 90, the slide 120 could be substituted for connectors 90, where bar applicable. It is further emphasized that the exercises schematically represented in Figures 10, 10A through 15, 15A are representative only, of some of the numerous exercises that may be performed utilizing the exercise assembly 10 of the present invention. More specifically, in Figures 10, 10A a user 100 exerts a downward force on the gripping bar 80 as one or more of the resistance elements of the resistance assembly 70 are connected by the aforementioned connectors 90 to an upper end or portion of the base 12. Further, during this exercise the shoulder restraint 50 serves to anchor and stabilize the position of the user 100, while his head may be further supported by the head cushion 54.

Figure 11 and 11A show the orientation of the user 100 holding the gripping bar 80 and having his feet anchored or stabilized as they engage the second platform 28 and or the

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trolley assembly. The resistance assembly 70 is interconnected between connectors 90 located at the opposite ends of the base 12, relative to their position in Figures 10, 10A. Figures 12 and 12A have the user 100 arranged in a substantially identical orientation to that of Figures 11, 11A, wherein the user serves to exert a force on the gripping bar 80, which may be more specifically defined as a pull-up. Again it is shown that the resistance assembly 70 is anchored at the end of the base 12 as the feet of the user 100 are secured or stabilized by the second platform 28.

Figures 13 and 13A represent the user 100 performing alternate hamstring flexes, as the resistance assembly 70 is secured at one end to the base 12 by connectors 90. opposite ends are secured to the feet or ankle portions of the user 100, utilizing straps 44, as discussed above and disclosed in Figure 9. Also during the performance of this exercise the hand grips 60 are utilized to provide additional stability in the orientation or positioning of the user 100 in performing this exercise. Although not specifically shown, a variation of the exercise as shown in Figures 13 and 13A may be performed utilizing the elongated bar 80 of Figure 6 rather than the individual foot restraining loops 44 attached to the feet of the user as represented. When using the bar 80 or a structural modification thereof, the user's feet can be fitted between the foot cushions 87 and the respective restraining straps 89, such

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that the elastic resistance element 70 are secured to the connectors 90' shown in Figure 6.

Figure 14 and 14A shows the user 100 performing alternate leg curls, wherein the feet of the user 100 are secured to one end of the resistance assembly 70 and the opposite ends thereof are secured to spaced apart portions of the base 12 connectors 90. The shoulder restraint 50 is utilized to further stabilize the position or orientation of the user 100 during the performance of the aforementioned exercise. Further, as vet another alternative embodiment, the exercise assembly 10 allows the user to perform "upright" leg curls rather than the alternate leg curls as set forth above. When performing the upright leg curls, the heels of the user are effectively locked underneath or in grippingly engagement with an elongated bar of the type either shown in Figures 6 of 16. In practice, the heels of the user engage the bar 80, and the user is reclined on his or her back. The feet, along with the bar 80 having the resistance elements attached thereto, are moved towards the torso of the user, such that the knee extends upwardly from the base segments 14 and 16.

Figures 15 and 15A shows the user 100 performing a sit-up type exercise, wherein the feet and/or ankles are stabilized by means of the strap 44, secured to the second platform 28 while the user's back is engaged and supported by the first platform 26.

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As shown in Figure 18 through 24, the exercise assembly of invention comprises another embodiment which includes a base generally indicated as 110 having substantially linear configuration along a majority of its length. More specifically, the base 110 comprises a plurality elongated segments 112, 114, and 116, each having a substantially linear configuration extending along a majority of their respective lengths, wherein the base segments 112, 114, and 116 are selectively separable as shown in the composite view of Figure 19 or are removably attached in an end-to-end, coaxial relation to one another as shown in Figure 18 and 20. Each of the base segments 112, 114, and 116 are formed from a high strength, substantially light weight material which preferably Therefore, the transverse include a tubular construction. dimension of the various base segment 112, 114, and 116 may vary such that they may be telescopically interconnected to one another at their correspondingly position ends. In addition, mounting brackets as at 118 may be removably secured to the base 110 along its length and to any or all of the base segments 112, further demonstrated in Figure 20 the 114 and 116. As connecting brackets 118 are used to removably attach the various elastic, resistance elements of the resistance assembly 70' to various portions or locations along the length of the base 110.

The base 110 and particularly at least one of the plurality of segments such as base segment 116 includes an enlarged

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The enlarged section is at least partially section 130. defined by a frame 12 which is integrally or otherwise fixedly secured to the remainder of the base segment 116 and which also preferably includes the aforementioned tubular construction. The frame 132 is disposed in at least partially surrounding relation In addition by virtue of its to a central opening 134. configuration, the frame 132 extends laterally outward from both sides of the base 110 such that the central opening 134 is sufficiently dimensioned to add stability to the base 110, such as when it is in the operative position shown in Figures 20 and 22 through 24. In addition, the dimension of the central opening 134 should be sufficient to allow a portion of a user's body, such as the user's head to extend therethrough, as demonstrated in Figure 21, in order to facilitate the user performing a "bench press" exercise while remaining in a substantially upright, sitting position. In addition, the enlarge portion 132, may also be used as a support structure for a pad or platform (not shown) on which a portion of the user's body 100 is positioned, while performing the various exercises as at least partially demonstrated in Figures 20, 23, and 24.

Other structural features of the base as shown in Figures 18 through 24 include the provision of a restraining assembly at least partially defined by one or more upstanding posts or stanchions 136, removably or fixedly connected to the base 110 substantially adjacent to the enlarged portion 130. In the

embodiment of Figure 19 the restraining posts 136 are secured directly to the frame 132. In addition, elongated pads or cushions 138 may be provided so as to be removably attached in overlying, covering relation to the posts 136 so as to provide additional comfort to the user. As shown in Figures 20, 23, and 24 the posts 136 may engage and at least partially restrain different portions of the user's body, such as the shoulders (Figures 20 and 23) and/or the legs or thigh areas (Figure 24). Also as demonstrated in Figure 22, the posts 136 may be engaged by the feet of the user 100 as the user 100 exerts a pulling force on the resistance assembly 70', by means of a gripping bar 101.

The exercise assembly of the present invention further includes yet another embodiment as shown in Figures 25 through 31 and which may be generally referred to as a "mini assembly" in that various structural components comprising this embodiment can be utilized without the need of either base 10 or 110 as described above. Further, the "mini assembly" further emphasizes the versatility and portable nature of the exercise assembly of the present invention, by virtue of it being easily and efficiently transported by being hand carried or by being carried in some type of kit or container which is supported on the user's body when being transported.

More specifically, the embodiment of Figures 25 through 31 comprises a mounting assembly generally indicated as 140 and

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comprising a plurality of mounts 142 and 144 respectively structure to removably engage and be supported on and upright supporting structure 150 such as a door or like object normally disposed in a substantially vertical orientation as shown in The mount 142 is preferably in the form of a u-Figure 25. shaped clamp and includes two outwardly extending connecting brackets 146 onto which one or more elastic resistance elements 72, 73, etc. may be removably secured. The clamps 142 are structured to be supported in overlying engaging relation to an upper peripheral edge 150' of the supporting structure or door 150. Conversely, the mount 144 is preferably in the form of an L-shaped bracket structured to be disposed in confronting engagement with one surface 151 of the supporting structure or door 150, adjacent to the lower peripheral edge 150". Each of the one or more L-shaped mounts 144 includes a flexible material connector or attachment member 148 which may be disposed to extend beneath the lower peripheral edge 160" such that the outer end thereof 149 is removably attached to one or more of the elastic resistance elements 72, 73, etc. The opposite end of the resistance elements 72, and 73 may be removably connected to the gripping bar 107' which also may define a part of the aforementioned gripping assembly as shown and is represented in Figure 26. In order to prevent damage to the supporting structure 150, appropriately positioned pads or cushions 160 may be disposed between the u-shaped clamp or mount 142 and the

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upper peripheral edge 150' of the supporting structure or door Other structural components associated with the exercise assembly of the embodiment of Figures 25 through 31 include a body restraining portion 162 in the form of a strap, belt, etc., which is designed to removably surround and engage the hands, ankles, feet or other portions of the user's body. In addition a pad or cushion 164 may be utilized to overly the skin or surface area of the portion of the user's body engaged by the retraining strap 162. Also, one or more handles 166 each having a connector 90" may be used to engage the free ends of the various resistance elements 72 or 73 instead of the gripping bar Finally, a head cushion 54' may be utilized to add 107'. comfort and also possibly protect the user's head and/or neck area and may be applied in a position similar to that shown in Figure 17, dependent primarily on exercise being performed by the user.

It is again emphasized that regardless of which of the embodiments of the exercise assembly, as shown in Figures 1 through 31, are utilized, substantially a full range of exercises may be performed, wherein such exercises include, but are not limited to, leg extensions, leg presses, military press, rowing, arm curl, bench press/dip, pull ups, sit ups, hamstring flexes and others.

Since many modifications, variations and changes in detail can be made to the described preferred embodiment of the

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invention, it is intended that all matters in the foregoing description and shown in the accompanying drawings be interpreted as illustrative and not in a limiting sense. Thus, the scope of the invention should be determined by the appended claims and their legal equivalents.

Now that the invention has been described,

## What is claimed is:

- 1. An exercise assembly structured to facilitate a user performing multiple exercises thereon, said exercise assembly comprising:
- a) a base including a plurality of base segments secured in coaxial relation to one another and collectively defining a substantially elongated linear configuration,
- b) a resistance assembly removably attached to said base at any one of a plurality of locations along the length of said base.
- c) said resistance assembly repeatedly oriented between a stressed position and a non-stressed position, and
- d) a gripping assembly connected to said resistance assembly and selectively positioned by the user to orient resistance assembly between said stressed and non-stressed positions.
- 2. An exercise assembly as recited in claim 1 wherein said plurality of base segments are removably attached to one another in an end-to-end alignment.
- 3. An exercise assembly as recited in claim 1 wherein each of said base segments are removably attached to one another in an end-to-end alignment, each of said base segments comprising an elongated linear configuration along at least a majority of its length.
  - 4. An exercise assembly as recited in claim 3 wherein

each of said base segments is formed of a high strength, light
weight material of tubular construction.

- 5. An exercise assembly as recited in claim 2 wherein said plurality of base segments are removably attached to one another in an end-to-end alignment.
- 6. An exercise assembly as recited in claim 5 wherein said plurality of base segments are formed from a material of a sufficiently light weight to be carried by the user when said base segments are detached from one another.
- 7. An exercise assembly as recited in claim 1 wherein at least one of said base segments comprises an enlarged section extending laterally outward from said base.
- 8. An exercise assembly as recited in claim 7 wherein said enlarged portion comprises a frame disposed in at least partially surrounding relation to a central opening, said central opening being of sufficient dimension to allow the user's head to pass therethrough.
- 9. An exercise assembly as recited in claim 8 further comprising a restraint structure secured to said base substantially adjacent to said enlarged portion, said restraint structured disposed in restraining engagement with any one of a plurality of portions of the user's body.
- 10. An exercise assembly as recited in claim 1 wherein said resistance assembly comprises a plurality of elongated elastic material resistance elements having a first end secured

to said base and a second end removably connected to said gripping assembly, the first end of a predetermined number of said plurality of resistance elements secured together and collectively and removably attached to said base.

- 11. An exercise assembly as recited in claim 10 wherein said second end of said predetermined number of said plurality of resistance elements are each independently removable from said gripping assembly.
- 12. An exercise assembly as recited in claim 11 wherein each of said second ends include a mounting member dimensioned and configured for removal engagement with said gripping assembly.
- 13. An exercise assembly as recited in claim 12 wherein said gripping assembly comprises at least one gripping bar having an elongated configuration.
- 14. An exercise assembly as recited in claim 13 wherein said gripping bar comprises a plurality of cushions mounted on said bar, each of said cushions including a retaining member disposed in cooperative relation thereto, each of said retaining members structured to engage a portion of the user's body during movement of said gripping bar relative to said base.
- 15. An exercise assembly as recited in claim 14 further comprising a roller structure rotationally mounted on said gripping bar and disposed in movable engagement with a supporting surface.

- 16. An exercise assembly as recited in claim 1 wherein said plurality of base segments are removably attached to one another in an end-to-end alignment, each of said base segments comprising an elongated linear configuration along at least a majority of its length, at least one of said base segments comprising an enlarged section extending laterally outward from said base, said enlarged section comprising a frame disposed in at least partially surrounding relation to a central opening of said enlarged section.
- 17. An exercise assembly as recited in claim 16 wherein said resistance assembly comprises a plurality of elongated elastic material resistance elements each having a first end secured to said base and a second end removably connected to said gripping assembly, said first end of a predetermined number of said plurality of resistance elements secured together and collectively and removably attached to said base.
- 18. An exercise assembly as recited in claim 17 wherein said gripping assembly comprises at least one gripping bar having an elongated configuration and a plurality of cushions mounted thereon, each of said cushions including a restraining member disposed in cooperative relation thereto, each of said restraining members structured to engage a portion of the user's body, said gripping bar further comprising a roller structure rotationally mounted thereon and selectively disposable in movable engagement with a supporting surface.

- 19. An exercise assembly structured to facilitate a user performing multiple exercises thereon, said exercise assembly comprising:
- a) a mounting assembly removably secured to an upright supporting structure disposed in a substantially vertical orientation,
- b) a resistance assembly removably attached to said mounting assembly at a plurality of locations on the supporting structure,
- c) said resistance assembly repeatedly oriented between a stressed position and a non-stressed position,
- d) a gripping assembly removably connected to said resistance assembly and selectively positioned by the user to orient said resistance assembly between said stressed and non-stressed position.
- 20. An exercise assembly as recited in claim 19 wherein said resistance assembly comprises a plurality of elongated elastic material resistance elements having a first end secured to said mounting assembly and a second end movably connected to said gripping assembly.
- 21. An exercise assembly as recited in claim 20 wherein said gripping assembly comprises a plurality of retaining structures removably mounted on predetermined portions of the user's body and removably connected to a predetermined number of said resistance elements.

- 22. An exercise assembly as recited in claim 20 wherein said gripping assembly comprises at least one handle structure gripped by the user's hand and removably attached to a predetermined number of said resistance elements.
- 23. An exercise assembly as recited in claim 20 wherein said gripping assembly comprises at least one gripping bar having an elongated configuration and comprising a plurality of cushions mounted on said bar, each of said cushions including a retaining member disposed in cooperative relation thereto, each of said retaining members structured to engage a portion of the user's body during movement of the bar.
- 24. An exercise assembly as recited in claim 23 including a roller rotationally mounted on said gripping bar in movable engagement with a supporting surface.
- 25. An exercise assembly as recited in claim 20 wherein said mounting assembly comprises a plurality of mounts each removably securable to a door, wherein the door comprise an upright supporting structure.
- 26. An exercise assembly as recited in claim 25 wherein said plurality of mounts comprise at least one clamp removably secured to an upper peripheral edge of the door and removably connected to one end of a predetermined number of said resistance elements.
- 27. An exercise assembly as recited in claim 26 wherein said plurality of resistance elements are connected to said

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clamp on each opposite side of the door.

- 28. An exercise assembly as recited in claim 25 wherein said plurality of mounts comprise at least one bracket structure removably secured to a lower peripheral edge of the door, said bracket structure removably interconnected to a predetermined number of said resistance elements.
- 29. An exercise assembly as recited in claim 28 wherein said bracket structure comprises a flexible material connector secured thereto and extending beneath the lower peripheral edge of the door into removable attachment with a predetermined number of said plurality of said resistance elements.
- 30. An exercise assembly structured to facilitate a user performing multiple exercises thereon, said exercise assembly comprising:
- a) a resistance assembly structured to be repeatedly oriented between a stressed position and a non-stressed position,
- b) a gripping assembly connected to said resistance assembly and selectively positioned by the user to dispose said resistance assembly between said stressed and non-stressed positions,
- c) a resistance assembly comprising a plurality of elongated elastic material resistance elements having a first end secured to said gripping assembly, and
  - d) said gripping assembly comprising at least one

gripping bar having an elongated configuration and comprising a plurality of cushions mounted on said bar, each od said cushions including a retaining member disposed in cooperative relation thereto, each of said retaining member structured to engage a portion of the user's body during predetermined movement of the bar by the user.

- 31. An exercise assembly as recited in claim 30 further comprising a roller structure rotationally mounted on said one bar and movably engaging a supporting surface.
- 32. An assembly as recited in claim 31 wherein said first end of a predetermined number of said plurality of resistance elements are secured together and collectively and removably attached to said one bar, said second end of said predetermined number of said plurality of resistance elements each independently removal from an accessible, manipulable position by the user.
- 33. An exercise assembly as recited in claim 32 wherein said gripping assembly further comprises a second elongated bar removably attachable to said plurality of resistance elements and disposed in engaging relation with various portion of the user's body.
- 34. An exercise assembly as recited in claim 33 wherein each of said second ends of said plurality of resistance elements include a mounting member dimensioned and configured for removal engagement with said second bar.

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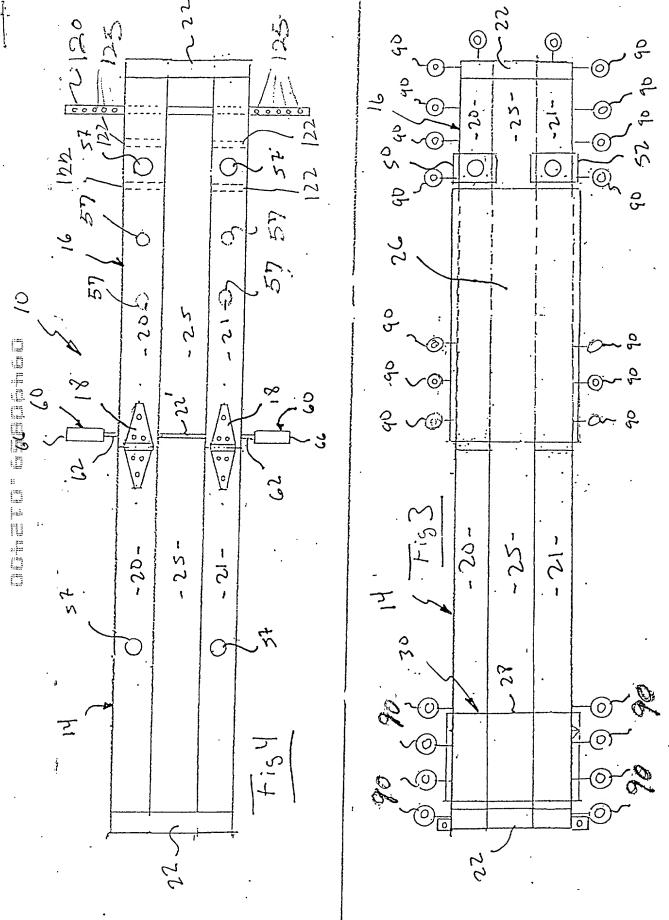
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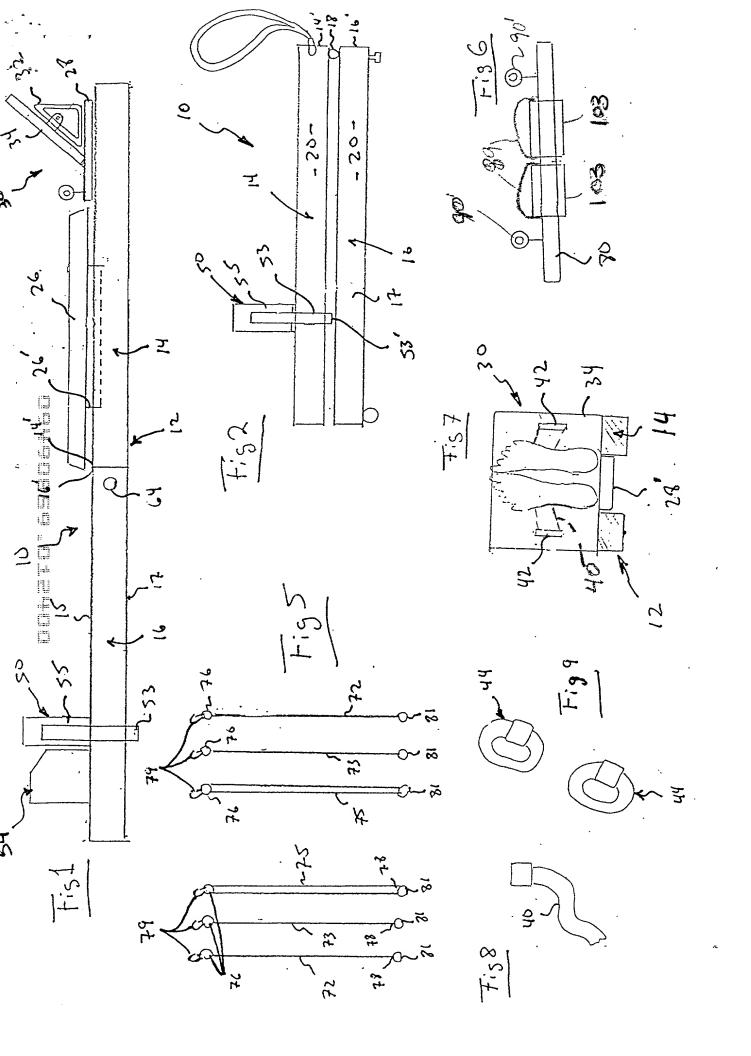
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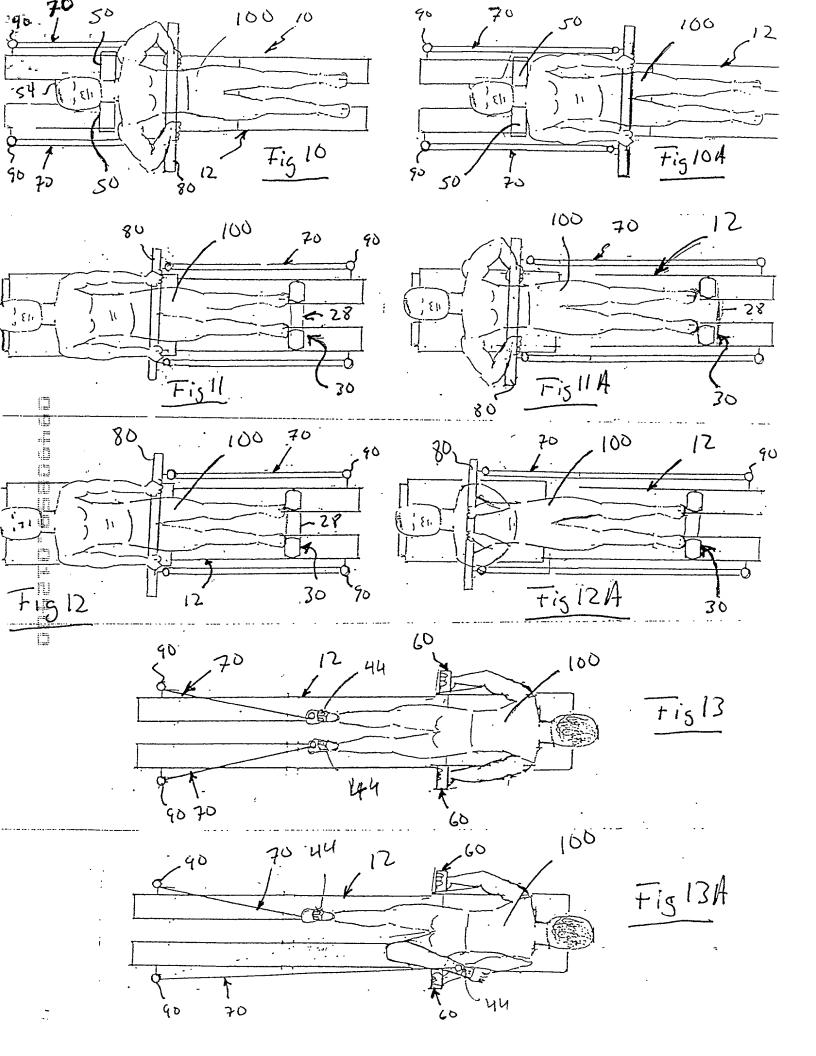
## ABSTRACT OF THE INVENTION

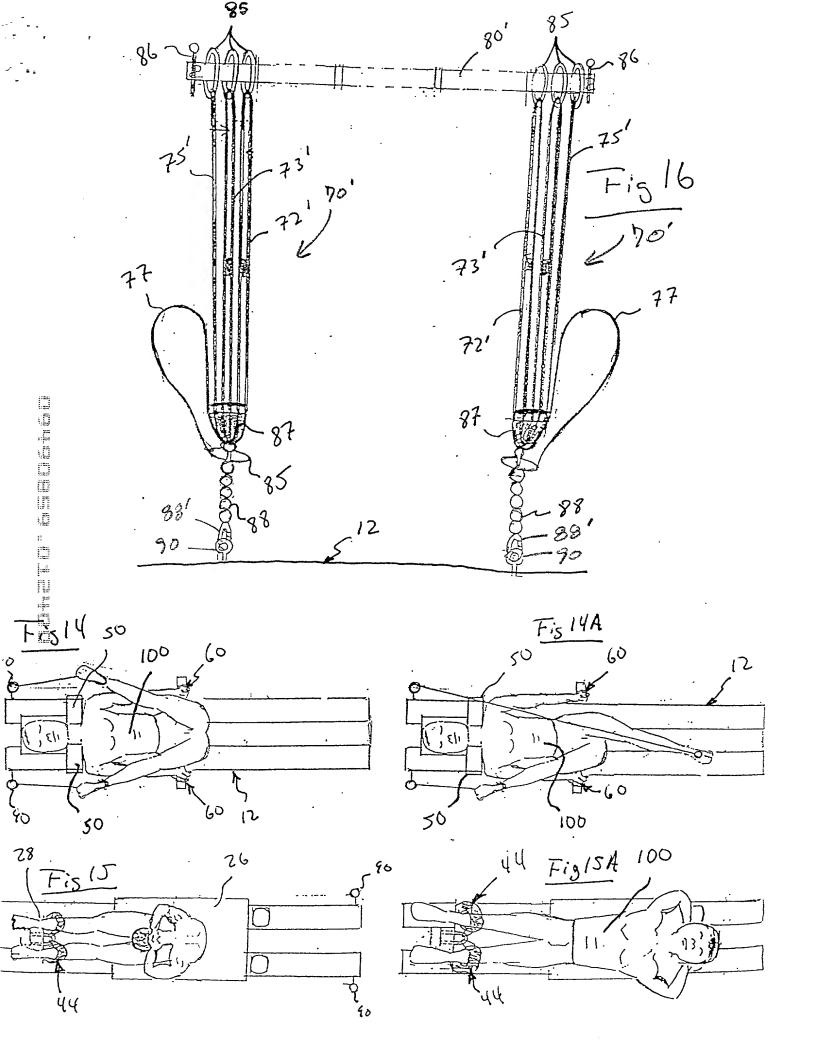
A portable exercise assembly structured to facilitate the performance of multiple exercises by a user, thereon and including a base and/or a mounting assembly either of which are capable of being selectively positioned between an operative position and a stored position and, when in the stored position are capable of being easily hand carried, with other associated components of the exercise assembly. When in the operative position, the base comprises a plurality of segments disposed in an end-to-end, elongated orientation. A resistance assembly comprising a plurality of resistance elements, preferably formed of an elastic material is connected to the base and/or to the mounting assembly as well as to a gripping assembly which is either attachable to various portions of the user's body or may be at least partially gripped by the user, such that the user exerts a force thereon so as to position the plurality of elastic elements between a stressed position and a non-stressed position, thereby exerting a variable range of forces on muscle group which are intended to be exercise. The gripping assembly includes one or more gripping bars having one or more cushions mounted thereon each having a retaining member, comfortably and removably retains engagement with various portions of the user's body while the user selectively extends or retracts the plurality resistance elements.

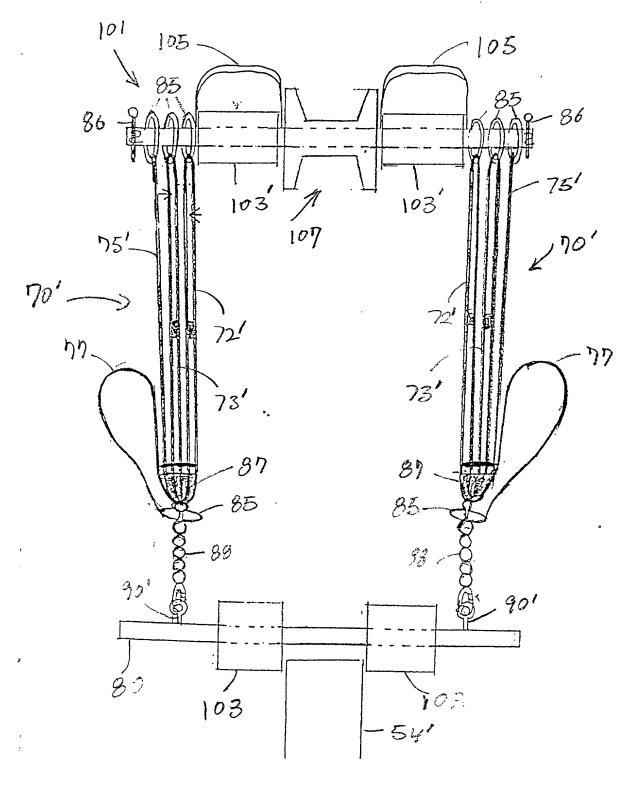


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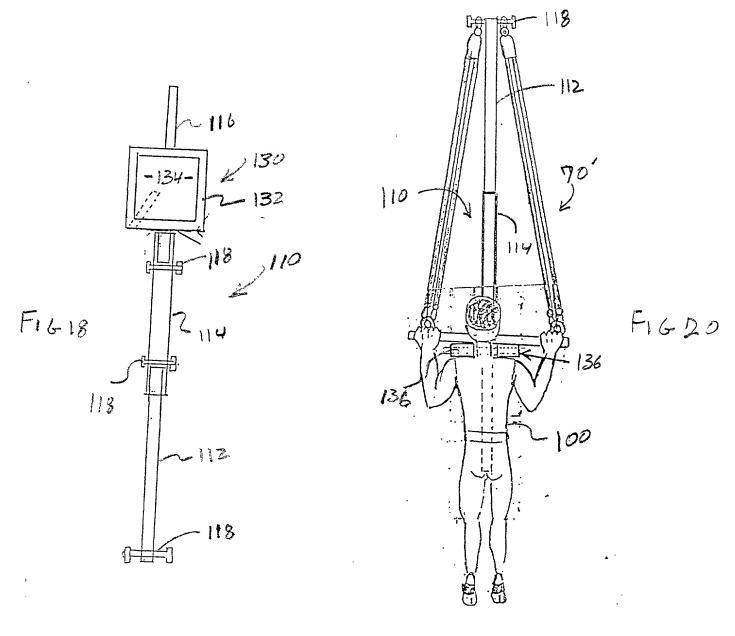


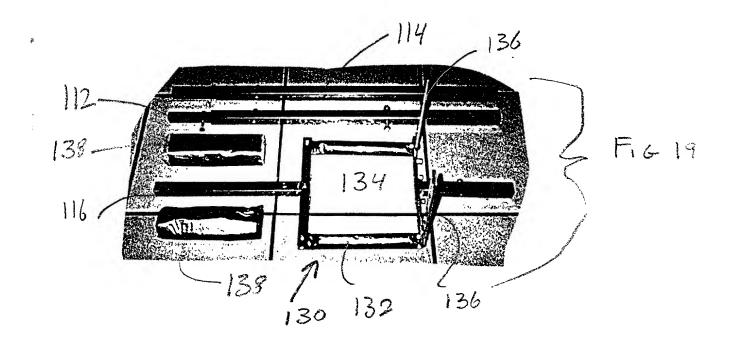


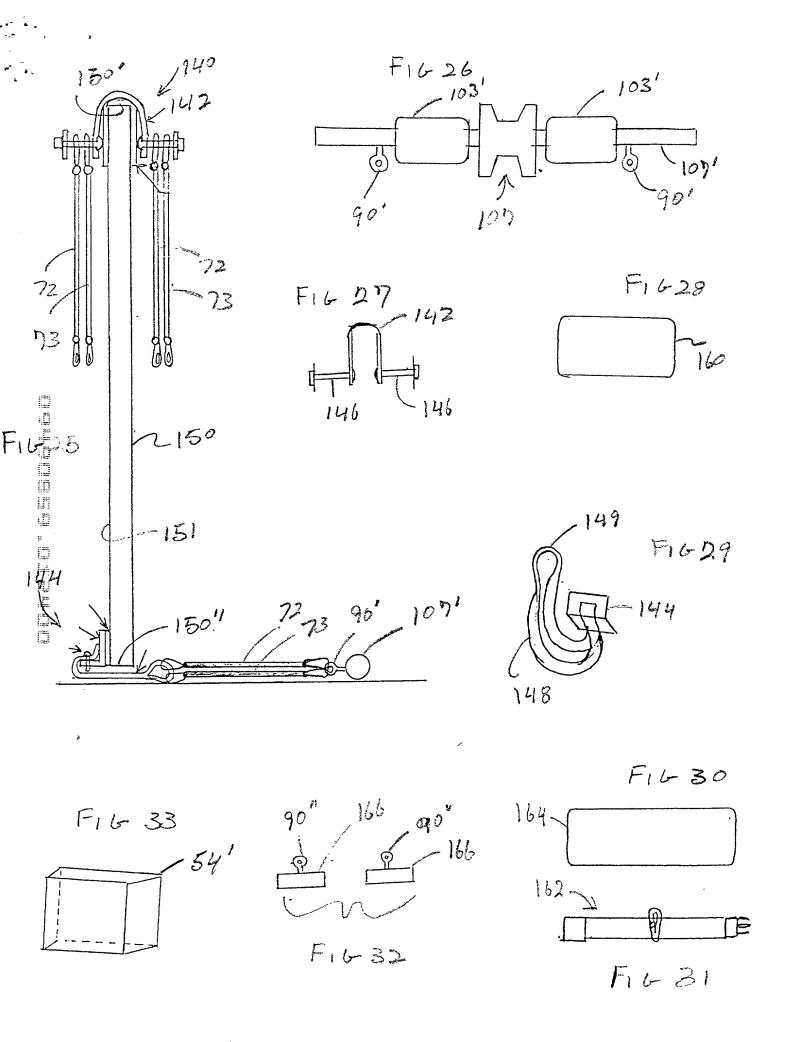




F1617







## MALLOY & MALLOY, P.A.

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION English Language Division

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

A PORTABLE EXERCISE ASSEMBLY								
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(check one)								
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the claims, as amen	ded by any amendment referred to abo							
I acknowledge the c accordance with Tit	duty to disclose information which it le 37, Code of Federal Regulations §	is material to the examination of this a §1.56(a).	applicati	on i				
for patent or inven	tor's certificate listed below and h	United States Code, §119 of any foreign have also identified below any foreign a re that of the application on which priori	pplicatio	n fo				
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(Number)	(Country)	(Day/Month/Year Filed)	Yes	No				
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(Number)	(Country)	(Day/Month/Year Filed)	Yes	No				

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national PCT International filing date of this application:

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nformation and belief are beli hat willful false statements ection 1001 of Title 18 of th alidity of the application or	eved to be true; and further, that the and the like so made are punishable e United States Code and that such wi any patent issued thereon.	are true and that all statements made se statements were made with the knowle by fine or imprisonment, or both, un lful false statements may jeopardize
OWER OF ATTORNEY: As a named in his application and transact and registration number)	nventor, I hereby appoint the followin all business in the Patent and Trademan	g attorney(s) and/or agent(s) to prosect k Office connected therewith. (list r
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Inventor's signature		Date
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(Supply similar information and signature for third and subsequent joint inventors.)